

# Sept. '87 target for library automation

by Judith Knelman

By next fall, it will be possible to let your fingers do the walking up the steps of the Robarts Library to the catalogue room and into the bookshelves. Thanks to a \$2.3 million system purchased from Utlas with an Excellence Fund grant, 100 terminals will provide dial-up access from various service points in the University to the Robarts, Sigmund Samuel, Science and Medicine, engineering and pharmacy libraries.

That is just the beginning of a plan built on the biggest bibliographical data base in any university library. There is not an academic library in the world that has such a large file in machine-readable form, said Carole

Moore, the chief librarian. Eventually, anyone with an independent terminal and a modem should have access to it through the T/Series 50 Library System, which provides automated circulation control and an online public catalogue.

The technical capability will be there from September 1987, but initially there will not be enough ports to handle inquiries from more than 100 terminals. So most people who want to use the new system will have to do so from campus library locations. "We know definitely that the present hardware can't cope with everyone with a terminal to begin with," said Moore. "Its capacity will have to be expanded step by step."

The system will tell an inquirer what books there are under a particular author, title, subject heading or key word, and as time goes on it will expand to take combinations of key words. (This is a feature that will be especially useful to scientists and social scientists, whose work is not always classifiable under Library of Congress subject headings.) It will indicate whether or not a book is in, which library has it, and, if it is charged out, when it is due. It will make signing out a book a simple process of having a bar code machine-read, and the process of returning a book to the shelves will be speeded up by the same bar code, since the need for retrieval of a book slip will be eliminated.



Carole Moore

The library user will still have to come and get the book, but Moore did not rule out the possibility that eventually it will be possible to order it by phone and simply arrive to pick it up.

The new system will largely supersede the microcatalogue, said Moore. Training sessions will help library users make the transition, but the process of using the computer is so simple that many will be able to figure out on their own how it works, she said.

David Nowlan, vice-president (research), who chaired the Library Automation Review Committee and led the negotiations with Utlas, predicted that researchers will be "enormously impressed" with the system. "It's going to transform the library." It took three years of study by his committee, but he is satisfied, he said, that "we're buying the best automation system in the world."

He described the signing of the contract on July 30 as "a happy ending" to the story of the University's involvement in Utlas, which he said is "settling down". Though it had financial problems to overcome, said Nowlan, Utlas has been successful technologically. The organization, which began as a part of the U of T library system and eventually became an ancillary, was purchased in 1985 by International Thomson Limited.

UNIVERSITY OF TORONTO

## Bulletin

No. 2 40th year

Monday, August 25, 1986

# Earth Sciences Centre goes ahead

by George Cook

A campaign to raise several million dollars from the private sector to help pay for the Earth Sciences Centre, now under construction on the southwest campus, began in earnest this month following a Queen's Park decision to honor a commitment made by the previous government for \$30 million in capital funds.

The \$46 million centre has been in development for more than five years, at a cost so far of about \$2 million. Adam Zimmerman, the president of Noranda Mines, is leading the campaign to raise approximately \$7 million from corporate donors, mainly those in the mineral extraction and forest products industries, to help pay the capital costs. In addition, funds have

been set aside from the University's last major fundraising drive.

The Progressive Conservative government of former Premier William Davis approved the project in 1983, with the money to come from the Board of Industrial Leadership and Development program (BILD). However, when David Peterson's Liberals came to power in May 1985, they ended the BILD program and undertook a review of the projects included in it.

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Excavation for the Earth Sciences Centre began in late July. A brief strike by crane operators did not slow construction, but the August 15 downpour turned part of the site into a muddy pond. The completed building will include the old textbook store and Bancroft Hall (long-time neighbours, recently married) and portions of the Borden Building. Completion of the centre — to house the Faculty of Forestry and the Departments of Geology and Botany — is scheduled for the summer of 1988.

# Police officer hurt in confrontation at MSB

A U of T constable was injured Aug. 2 in a confrontation with a couple trying to get into the Medical Sciences Building. After-hours access to the building, which contains animals being used for research, is controlled by card-keys.

PC Judith Nyles was taken to hospital with a dislocated shoulder and lacerations that required stitches on her hips and legs after going through a plate glass window. She is expected to be off work for six weeks. A 25-year-old man whose wife, a student, was conducting an experiment in the building, has been charged in the incident.

PC Nyles, on the force since 1975, was on duty in the building that Saturday morning because an examination was being written there. She refused to allow the woman in because she did not have weekend privileges. When the couple entered the building with someone using a key card, PC Nyles attempted to turn them back.

After the incident in which PC Nyles was hurt, the man, a doctor, left to report to police at 52 division that he had been assaulted. He in turn has been charged with assaulting a police officer. A trial date of Nov. 7 has been set.

# Arbitration panel selected

The University and the Faculty Association have announced the members of the dispute resolution panel that will consider the salary and benefit issues still outstanding between the parties.

Donald Munroe, a British Columbia arbitrator and former chair of the BC labour relations commission, will chair the panel. He will be joined by the University's representative, Donald J.M. Brown, of Blake, Cassels and Graydon, and by UTFA's represen-

tative, Jeffrey Sack, of Sack, Charney, Goldblatt and Mitchell. Both Brown and Sack are labour lawyers with Toronto firms.

The panel will hear arguments from the University and the faculty association during the week of Nov. 3 and make its report to the parties no later than 20 days after the conclusion of the hearings.

The University has agreed to pay interest on the retroactive increase contained in the eventual settlement.



## Installation of the Chancellor

The Governing Council of the University of Toronto requests the honour of your presence at the installation of  
The Honourable John Black Aird  
as the twenty-eighth Chancellor of the University  
on Monday, September 22, 1986 at 3.00 p.m.  
in Convocation Hall  
Reception to follow



# Nuclear test ban discussed as profs meet Gorbachev

by George Cook

Professor Derek Paul of the Department of Physics, one of 20 scientists who met Soviet leader Mikhail Gorbachev in Moscow July 14 to urge a continued moratorium on the testing of nuclear weapons, says he found the general secretary of the Communist party "polite and patient but also very tough."

"Gorbachev isn't going to budge on basic principles, but he will show more flexibility in practical matters than anyone we've seen up to the present," Paul said.

Since the meeting, the Soviet Union has announced that it will extend its unilateral moratorium on testing until January 1. Paul said he thinks the West should reciprocate and move towards a comprehensive test ban for a fixed term.

Paul and two other Canadians, Professor Eric Fawcett, also of physics, Arthur Forer, a York University biologist and 120 colleagues from 30 countries attended the two day forum on arms testing and verification. It was organized and hosted by the Soviet academy of sciences. Paul said he and other western participants felt the meeting should have been held on "neutral" territory — in Geneva, for example — but were unable to make arrangements on short notice. However, the location did not, in the end, inhibit delegate attendance or the frankness of the discussion. Those who met the Soviet leader were members of the "initiative group" that nominated the other forum delegates from their respective countries.

The meeting with Gorbachev took place at the offices of the Communist party's central committee. "I guess we'd all been investigated very carefully and were known to the KGB before we went in. There were two or three uniformed officials of one kind or another at the entrance and we were very politely guided to a small elevator and taken up in successive groups to the appropriate floor where we sat and chatted in an anteroom until Gorbachev arrived. He walked through the anteroom and was fol-

lowed by the more senior Soviet officials — the higher ranking ones, such as the president of the academy of sciences — and then the rest of us filed in in more or less random order."

Paul proposed alternative explanations for the Soviet desire to hold the forum. At the time of the meeting with Gorbachev the Politburo might already have decided to extend the moratorium on testing and hoped to generate favorable publicity in the west, prior to the actual announcement of the extension, by a display of receptivity and openness. Or the Politburo had not yet made its decision and Gorbachev was attempting to build support for the idea among the members of the ruling group, some of whom were unsupportive of the extension.

The lead item in the Communist party newspaper *Pravda* July 15 described the scientists's meeting with Gorbachev and was accompanied by a photograph of the Soviet leader and the international delegation, including Paul. The greater part of page two was given over to a full account of the meeting.

Whatever the political implications for Soviet decision making and foreign policy, Paul said he believes the forum and the meeting with Gorbachev helped advance the cause of a nuclear test ban treaty. Such an agreement would make the development of new kinds of nuclear weapons — such as those fired from artillery guns — impossible and thus inhibit "qualitative proliferation". Were the US, Britain and the USSR to impose a ban on testing, the other nuclear nations, France and China, might eventually join in.

In their concluding statement, the scientists who attended the forum said they believe recent advances in seismology and the willingness of the superpowers to allow the installation of monitoring equipment on their territories make verification of a test ban possible. "In the long run," the statement says, "a verifiable, comprehensive ban would be a step towards the elimination of all nuclear arsenals."

# Survey to clarify ancillary fee ban

A survey is underway to determine which student ancillary fees are to be eliminated under a recently announced provincial government policy.

Assistant Vice-President (Planning) Dan Lang said the survey should be completed "late in the fall", at which time discussion will begin with the Ministry of Colleges and Universities to determine which fees are to be eliminated.

The new policy, announced at the end of June, places a ban on new "compulsory, tuition-related" ancillary fees and fee increases not approved by university governing bodies before June 20. The permanent ban on such fees takes effect on May 1, 1987. To compensate for lost revenue, the universities will be allowed to raise the discretionary portion of tuition fees by up to five percent.

Lang said there is very little likelihood that U of T will gain or lose revenue as a result of the ancillary fee ban. The change is largely procedural, he said, requiring the disbursement of funds from general revenues to the affected divisions in lieu of the ancillary fees they now collect. He said that until the survey is completed it is not possible to say which divisions will be most affected.

The interim freeze on new ancillary fees and existing fee increases does not include penalty charges and fines, the cost of appeals, additional exam-

inations or transcripts, the cost of learning materials retained by students, student government and activity fees or any fees approved by a student referendum, including those for capital projects. It could affect fees for computer time or lab equipment not retained by the student.

In a memorandum to the Ontario Council on University Affairs, Minister of Colleges and Universities Gregory Sorbara said the Ontario Student Assistance Program will be adjusted to compensate both for the changes in ancillary fee definitions and the increases in tuition.

## Next Bulletin

The next issue of the *Bulletin* will be published Sept. 15.

The deadline for receipt of events and booking of display ads, is Sept. 2.

Editorial material and classified ads should be in the *Bulletin* offices at 45 Willcocks St. by Sept. 5.

## Earth Sciences Centre

Continued from Page 1

Under the circumstances, there was some danger that the new government would cancel funding for the project altogether. While in opposition the Liberals had suggested that such a centre be built in northern Ontario, where the greater portion of natural resource companies have their operations.

University representatives met the premier, treasurer, other members of cabinet and government officials many times to assure them the money committed to the centre would be well spent and that the location at the University was the only realistic one,

given the scope of the activities the project is intended to bring together, said Assistant Vice-President (Planning) Dan Lang.

They argued that it would be difficult for a smaller university in a smaller centre to support the venture. Moreover, there seemed to be no serious desire at the northern universities to undertake such a project, Lang said.

The University's efforts to convince the new government of the project's merits were rewarded Aug. 6 when Minister of Colleges and Universities Gregory Sorbara announced that Queen's Park intended to proceed as planned.

In order to facilitate the involvement of Lakehead and Laurentian Universities their presidents and President George Connell will meet to discuss staff and student exchanges, joint teaching and research projects, access to new laboratories and lab services for scientists and other cooperative initiatives.

Although the project has become known at U of T as the Natural Resources Centre, the name Earth Sciences Centre was given to the 1981 proposal and the government has continued to use this name. Lang said that the University has registered no objection to it, but that it is not yet official.

The facility will house the University's Faculty of Forestry and the Departments of Geology and Botany. The original plans called for the inclusion of the Departments of Anthropology and Geography and the Institute for Environmental Studies, but last December, when it became apparent that building costs would exceed the budget by between \$11 and \$18 million, the project was scaled down.

It is scheduled for completion in 1988. Portions of the Borden Building, the old text book store and the recently relocated Bancroft Hall will be incorporated in the new centre.

## EQUIPMENT EXCHANGE

The "Equipment Exchange" is a Purchasing service to facilitate the recycling of surplus equipment within the University. Once a faculty or division head has determined that an item of equipment or furniture is no longer needed, a "Request for Disposal" form is forwarded from the administrative head to Purchasing (see UNIFACTS procedure 4-18 "Disposal of Furniture and Equipment"). The fair market value is assessed and for external sales terms of delivery, payment, duty and tax implications are determined. All necessary paperwork including invoicing, UNISPRING update etc. will be carried out in Purchasing. If equipment or furniture is no longer required by the other U of T divisions it is then available for external sale including personal purchase. Note: the exchange will also include "wanted" items.

### Equipment Available

Description	Qty	Model	Age	Orig. Cost	Fair Mkt Value	Contact-Phone
1" VTR	1	IVC 960CD	14 yrs	\$25,000	\$300	J. LeClair 978-8561
1/2" VTR	1	AV5000A	16 yrs	1,500	best offer	J. LeClair 978-8561
Video Proc Amp	1	Baf. other	16 yrs	1,000	best offer	J. LeClair 978-8561
Vector Scope	1	Tektronic 520	16 yrs	4,000	200	J. LeClair 978-8561
B/W PortaPack	1	Sony AV3400	16 yrs	2,000	50	J. LeClair 978-8561
25" Col. Monitor	2	Conrac KHA25	16 yrs	1,700	50 ea.	J. LeClair 978-8561
TV Projector	1	Philips EL5795	16 yrs	20,000	250	J. LeClair 978-8561
NTSC Encoder	1	COHU 8940	16 yrs	2,000	best offer	J. LeClair 978-8561
Video Switcher	1	Richmond YPM41	12 yrs	4,000	best offer	J. LeClair 978-8561
Control Room Console	1	custom made	17 yrs	800	best offer	J. LeClair 978-8561
Microprocessor	1	EXOR Macs 68K	4 yrs	40,000	5,000 negot.	P. Boulton 978-5034
Clr Graphics Computer	1	Orcatech	3 yrs	70,000	17,000 negot.	P. Boulton 978-5034

## Travel Programme

### TRAVEL TIP — DIFFERENCES IN AIRFARES

People often comment that they obtained a lower airfare from agency X versus agency Y but do not truly understand why. First of all it is illegal to discount airfare. Secondly differences in airfares are usually due to SEAT SALES involving a limited number of seats, BULK BUYING of tickets by an agency for commonly made runs, ADVANCE BOOKING for a particular flight, or STAYING SATURDAY NIGHT in order to receive excursion fares which also might require 7, 14 or 30 days advance booking.

In order to get consistent and thorough fare quotes be sure to give the same information regarding your flight requirements and state just how flexible you can be with respect to departure and return dates and times. You can also ask to be 'wait listed' on a reduced airfare.



# New OISE head hopes for change in gov't policy

by George Cook

The new director of the Ontario Institute for Studies in Education says he believes that OISE and the University should maintain a relationship, but that a transfer of OISE to U of T is not in the best interest of either institution.

"My bottom line is that OISE must have its own board of governors and receive its budget directly from the government, not through the budget process of the University of Toronto," Walter Pitman said in a recent interview.

Pitman said he has discussed the Ontario government's merger policy with Treasurer Robert Nixon and believes Nixon and members of his party are having second thoughts on the matter. "The sense I got was that Mr. Nixon is not on some kind of crusade and that the way is certainly open for a continuation of discussion that would lead to a renewal of the relationship between the University and OISE." The creation of a new, autonomous institution consisting of the institute and the University's Faculty of Education is also possible, he said.

"It's still up for discussion where the best interests of the Faculty of Education lie," Pitman said.

Currently executive director of the Ontario Arts Council, Pitman becomes director of OISE in January. He replaces Bernard Shapiro, who became deputy minister of education July 1. Pitman received BA and MA degrees, as well as teaching credentials, from the University of Toronto. He has been president of Ryerson Polytechnical Institute, dean of arts and science at Trent University, president of the Canadian Civil Liberties Association and a member of Parliament and the Ontario legislature. He was made a fellow of OISE in 1976.

Pitman was a member of the committee which in June 1984 recommended the separation of the Royal Conservatory of Music from the University. He was also the author of a 1977 report on the office of the University ombudsman.

Negotiations for the transfer of OISE to the University are currently "on hold", Assistant Vice-President (Planning) Dan Lang said recently. The discussions began after the treasurer's October announcement that the University and institute would be merged to streamline administration and cut costs. They continued until early this summer, when former OISE director Shapiro left the post. Although a merger agreement was not reached, the affiliation agreement



Walter Pitman

governing relations between the University and institute was extended to cover the 1986-87 academic year.

In recent interviews the special assistants to the treasurer and the minister of colleges and universities said government policy in favour of a merger has not changed despite considerable opposition from OISE faculty, Ontario school boards and the all-party committee of the legislature, whose July report on the matter favoured continued autonomy for the institute. The committee said OISE should either become fully independent and grant its own degrees, continue to grant U of T degrees under a 10 to 20 year affiliation agreement with the University or form a new, autonomous institution for studies and training in education in conjunction with the University's faculty of education.

Pitman said any of the three options may be viable, including degree-granting status for the institute.

While OISE's association with the University's School of Graduate Studies and the consequent right to grant U of T degrees have been useful and helpful to the institute in its first decades, it may now be in the best interest of each institution that OISE grant its own degrees. "But I don't think the final word has been said on that yet," Pitman added.

The "difference in culture" between SGS and OISE should be recognized, he said. "The first priority of the University's graduate school — its total priority, it seems to me — is to students who are doing research and producing theses." In contrast, the definition of the institute's role is

broader. "OISE serves the educational community, the teachers and administrators of all the schools — elementary, secondary and post-secondary — in the province. I think that means there's a different flavour to some of the graduate work that's done. Perhaps it's more practical, more related to development," he said. "In many cases there are certainly things that can be done best outside the governing structure of the University."

Because their missions differ, the criteria for evaluating SGS and OISE must also differ. While the best interests of the School of Graduate Studies and the institute may suggest the desirability of degree-granting authority for the latter, Pitman said he also thinks it may be to the advantage of both parties to solidify and extend the affiliation arrangement.

The current round of debate regarding OISE's relationship to the University has been both productive and counterproductive, Pitman said. "An institution can't be under the gun over an extended period of time without a cost in terms of focus and the capacity to get on with the job. At the same time, I think there's a positive side: OISE has discovered

that it has a number of friends."

When it was created in 1965 the institute faced the problems inherent in an "instant institution". Too many people were brought in too quickly from "a particular country," Pitman said. This led to some initial "excesses", but after two decades these have been eliminated. As a result of the recent review by the committee of the legislature, many people have become aware of OISE's "extraordinarily valuable work."

"I think there's a enormous opportunity for OISE to take stock of itself after this self-examination. I sense a very real willingness to rethink the mandate, to redefine objectives."

Pitman says he sees a number of interesting areas of exploration for OISE in the years ahead. He said he has "what you might call enthusiasms" — for peace education, environmental education, adult learning — but that they would be explored in terms of "a much broader perception of what OISE is all about."

Institutions "off the mainstream", such as Trent, Ryerson and OISE, are often in the forefront of vital new developments, Pitman said. These are places where "exciting and innovative things can be done."



## Engineering dean spaced out

by Patrick Donohue

That's no skeleton in the newest closet at U of T. That's the Dean of Engineering.

When Dean Gerhard Heinke opened the door of his office in the Galbraith Building last Thursday morning, he found himself in a broom closet.

A tiny room about three feet wide, four feet long and six and a half feet high had been constructed behind Heinke's door overnight and filled with bottles of cleaning fluid, mops, rolls of toilet paper and squeegee buckets.

Which left room for one small chair for Dean Heinke, with a sign on the wall over it: "Welcome to U of T Engineering. Mario's Cleaning Service."

That just happened to be the day Heinke had scheduled a 9.30 meeting with H.S.B. Jones, director of the Office of Space Management, and representatives of the Computer Systems Research Institute and the Department of Computer Science to discuss engineering's space problems.

Noting the extraordinary coincidence in the timing of the

appearance of the closet, Heinke insisted, "I swear I didn't arrange it."

His colleagues had to wait in the hall while a seldom-used side door to Heinke's office was pried open.

Heinke said he's 99 percent sure who's responsible for the closet — the Engineering Society. He knocked on one of the plywood walls of the closet, noting its solid construction. It had a strong aroma of cleaning fluid but was tastefully decorated with finely striped beige wallpaper. The ceiling even boasted a working light fixture. A thorough job, carried out to the last detail.

"Now I know who to call for overnight renovations," Heinke said.

By 10.30, however, Heinke was beginning to wonder who would take down the structure. He suggested that his secretary contact the Engineering Society for help.

Heinke could offer no clue as to how the closet builders had managed to pull off their mission undetected. Mal McGrath, assistant to the dean, alumni liaison, acknowledged that they must have made a deal with somebody. "But I don't know who."

## Policy will indicate neutral language

The advisory committee to status of women officer Lois Reimer is seeking submissions on the use of gender-neutral language in official University publications.

Reimer said she and the committee plan to draft a policy on the use of gender-neutral language and the avoidance of stereotypes for presentation to Governing Council in the fall.

The advisory committee will also produce guidelines to "assist and encourage the use of gender-neutral language within the University community," Reimer said.

She said she hopes there will be a large number of submissions. "The

broader their scope, the more adaptable the guidelines will be." The committee has begun to collect information on language policies already in place in the departments, divisions and colleges and plans to continue its survey of existing statements.

The University's employment equity policy, approved last spring, includes provisions for monitoring official University publications for discriminatory language and sex-role and other stereotyping. New guidelines will provide a ready reference to avoid expressions that stereotype individuals or groups.



# PhD Orals

Please contact the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

**Tuesday, August 26**  
Satu Helvi Sylvia Repo, Department of Education, "Journalistic Objectivity, The Discourse on Democracy, and the Birth of the Popular Press." Prof. P. Corrigan.

**Friday, August 29**  
Mercedes Tharam Richards, Department of Astronomy, "Circumstellar Material in the Algol System." Prof. C.T. Bolton.

Paul James Scott, Department of Mathematics and Applied Mathematics, "Sufficient Conditions for Optimal Control of Multiple Basin Tidal Power Systems." Prof. G.F.D. Duff.

**Wednesday, September 3**  
Lister Kin-Piu Lam, Department of Chemistry, "Some Applications of Pig Liver Esterase and Horse Liver Alcohol Dehydrogenase in Organic Synthesis." Prof. J.B. Jones.

**Tuesday, September 9**  
Saul Klein, Department of Management Studies, "International Channels of Distribution: A Markets and Hierarchies Perspective." Prof. G. Day.

**Wednesday, September 10**  
Patrick Thomas Mehlman, Department of Anthropology, "Population Ecology of the Barbary Macaque (*Macaca sylvanus*) in the Fir Forests of the Ghomara, Moroccan Rif Mountains." Prof. B.A. Sigmon.

**Thursday, September 11**  
Stephen Scott Stewart, Department of Electrical Engineering, "Designing and Using a Realtime Acquisition, Storage and Display System for Multi-Characteristic Flow-Cytometric Data." Profs. H. O'Beirne and G.B. Price.

**Friday, September 12**  
Eleanor Naomi Fish, Institute of Medical Science, "Structure/Function Studies on Recombinant DNA Derived Human Interferons." Prof. S.E. Read.

Michael Lloyd Ingraham, Department of Anthropology, "Issues of General Theory and Archaeological Practice in the Study of the Perceptible Rise of the Achaemenid-Persian Empire: Logistic Analysis at Godin Tepe (Period II, 800?-500+ B.C.)." Profs. H.B. Schroeder and T.C. Young.

Paul Charles Johns, Department of Medical Biophysics, "Dual-Energy Radiography for Breast Cancer Detection." Prof. M. Yaffe.

Patricia Charlotte Johnson, Department of Education, "The Effects of Vasopressin on Closed Head-Injured Amnesics." Prof. J.R. Kershner.

Sabatino Nacson, Department of Chemistry, "Energy-Resolved Fragmentation Studies in Mass Spectrometry." Prof. A.G. Harrison.

John P. Wilson, Department of Geography, "The Problems of Accelerated Soil Erosion, Cultural Eutrophication and their Management in the Lake Simcoe-Couchiching Basin, Canada 1800-1983." Prof. K. Hare.

**Monday, September 15**  
Molly Anne Malone, Department of Education, "The Effects of Ritalin on Levels of Processing and Laterality in Children with Attention Deficit Disorder." Prof. J.R. Kershner.

David Vaughan Pugh, Department of Germanic Languages and Literatures, "Conflict and Harmony. A Study of Schiller's Philosophical Writings." Prof. H. Eichner.

**Tuesday, September 16**  
Lawrence A. Miller, Department of English, "Expressive Dilemmas: Beckett's Criticism and Trilogy." Prof. A. Saddlemyer.

# Personnel News

## Seminars for Staff Training and Development

**Hiring Decision** (one-day)  
Supervisors and managers who are responsible for hiring will find practical guidelines to help them to successfully match job candidates with the job and work environment.

September 8, 1986  
September 12, 1986  
September 24, 1986

**Managing Work Performance Problems** (one-day)  
To assist managers and supervisors in the supervision of staff members who are having problems performing on the job.

September 17, 1986  
September 19, 1986

For more information please call Elaine Preston at 978-6496.

## Ontario Health Insurance Plan (OHIP)

A recent change in the Health Insurance Act Regulations now allows employers to cease deducting and remitting premiums for employees three months prior to age 65. This also applies to premiums for an employee's spouse who is approaching age 65. In short, deductions can cease when an individual or his/her spouse reaches 64 years and nine months of age. This change applies only to Ontario residents of 12 consecutive months or more prior to application for premium-free coverage. Employees who are approaching age 65 and are maintaining OHIP coverage through our group will be contacted by Benefits Administration.

If there are any questions concerning this exemption process, please contact the Benefits Administration Section of the Personnel & Labour Relations Department at 978-2015.

## Job openings

Below is a partial list of job openings at the University. The complete list is on staff bulletin boards. To apply for a position, submit a written application to the Personnel Department.

(1) Sylvia Holland; (2) Steve Dyce; (3) Varujan Gharakhanian; (4) Christine Marchese; (5) Maureen Brown; (6) Mirella Taiariol; (7) Lisa Raftis.

**Secretary I**  
(\$16,570 — 19,490 — 22,410)  
Education (3),  
Ophthalmology, 60 percent full-time (1)

**Secretary II**  
(\$18,160 — 21,370 — 24,580)  
Governing Council (7), Computer Science (3)

**Applications Programmer Analyst II**  
(\$24,800 — 29,180 — 33,560)  
Institutional Relations (6)

**Applications Programmer Analyst III**  
(\$30,560 — 35,950 — 41,340)  
Medicine (3), Computer Science (3)

**Assistant Warden, Administration**  
(\$37,150 — 43,710 — 50,270)  
Hart House (3)

**Administrative Assistant III**  
(\$32,210 — 37,900 — 43,590)  
Clinical Science (1)

**Occupational Health Physician**  
(Salary to \$35,000)  
Occupational Health and Safety, 40 percent full-time (2)

## Positions Elsewhere

*Notice of the following vacancies outside the University has been received by the Office of the President.*

**University of Pittsburgh**  
**Provost**  
Position now available

For further information contact: Office of the President, University of Pittsburgh, Pittsburgh, PA 15260 (412) 624-4200

**Huron College**

**Principal**

Effective July 1, 1987.

Applications and nominations will be accepted until October 30, 1986.

Send to: The Right Reverend C.R. Townshend, Chairman, Search Committee for the Principal, Huron College, London, Ontario, N6G 1H3

**Mount Allison University**  
**Vice-President (Academic)**  
Commencing January 1, 1987. Applications and nominations should be sent by September 29, 1986.

To: Harvey Gilmour, Secretary, Search Committee for Vice-President (Academic), Mount Allison University, Sackville, New Brunswick, E0A 3C0

## A BRIEF CASE FOR RIDER TRAVEL



THE RIDER TRAVEL GROUP is by far the most dynamic travel company in Canada. Only four years old, we've already reached annual sales of more than \$30 million. Our staff has grown from 6 to 84 — 3 are dedicated exclusively to the University of Toronto. We boast the most modern equipment and advanced technology of any travel company in Canada. And we're the largest private, Canadian-owned travel company adjacent to the University's downtown campus. That makes a difference to the service we offer. A difference we think you'll notice right away — and like right away.

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Tel: (416) 596-6999

## Starkey elected OCUFA president

John Starkey, a professor of geology at the University of Western Ontario, is the new president of the Ontario Confederation of Faculty Associa-

tions, succeeding Bill Jones. Starkey was president of the faculty association from 1982-1984 and was treasurer of OCUFA for the past two years.



## VICTORIA UNIVERSITY in the University of Toronto PRESIDENT

Victoria University, celebrating its 150th anniversary this year, is a federated University in the University of Toronto, with historical ties with the United Church of Canada. It is composed of an arts and science college, Victoria, and a theological college, Emmanuel, and is governed by a Board of Regents and an academic Senate.

Applications and nominations are invited for the post of President for a term of five years (which may be renewed) commencing on July 1st, 1987.

As chief administrative officer and Vice Chancellor the President is responsible for the general oversight of the University, in which he is supported by a principal of each College, a registrar, a bursar, and other academic and administrative officers.

Key elements of the position are:

- leadership in fostering academic excellence
- ability to represent Victoria effectively in the complex institutional and academic structures of the University of Toronto
- commitment to a collegial style of leadership
- practical insight into the business affairs of Victoria University
- effective representation in public, alumni and institutional relations.

In general, candidates should possess a good balance of scholarly and administrative qualifications.

Applications and nominations will be received until October 15, 1986 and should be sent to: Henry J. Sissons, Chairman, Search Committee for President, Victoria University, 73 Queen's Park Crescent, N7H 120, Toronto, Ontario M5S 1K7



# TYP to get higher profile, says new director

by Patrick Donohue

Concern for the disadvantaged is a part of Professor Jack Wayne's academic specialty. A sociologist who has studied the development of colonialism and imperialism, Wayne says his research has led him "to the strong conviction that some forms of change are mandatory. There must be an end to various forms of under-development."

Now Wayne has a unique opportunity to act on that conviction. Appointed in July to a five-year term as director of the Transitional Year Program, Wayne says, "This is the one program at U of T that makes excellence accessible to a broader range of people."

One of the few such programs in Canadian universities, the program draws students who have dropped out of high school but who have the potential for university work. Often the students have experienced serious disadvantages and belong to minority groups such as West Indian or Canadian Indian. Started at Innis College in 1970, TYP was re-structured in its current form in 1977.

To Wayne, the program proves its worth to the University by providing links with communities outside its usual constituency and "increasing some sympathy for the University in those quarters." Wayne plans to strengthen those links by making a speaking tour of the community groups from which the program draws its students.

Most students, on acceptance to the program, qualify for maximum assistance from the Ontario Student Assistance Program. TYP tutors maintain a close relationship with the students, advising them not just on

their academic performance but on their adjustment to university life as well.

Besides making TYP better known off-campus, Wayne intends to give it a higher profile within the University. "This program is vulnerable because it doesn't aim primarily at research," says Wayne. "We are not going to make the papers with some Nobel prize winning scientific discovery."

So it's important to the program's survival that the University community appreciate TYP's role. "We will provide the student who will win the Nobel prize one day," says Wayne.

In the coming years when the supply of high school graduates dwindles and the children of the baby boomers haven't yet reached university, TYP will become an important source of students for U of T, Wayne believes.

About 50 students enter the one-year, full-time program each fall. Of that number, about half complete the program and half of these eventually earn degrees. Wayne sees this success rate as "remarkably high" and gives credit for it to his predecessor as director, Professor Martin Wall.

For each student in the program, the University receives government funding of .7 BIU (basic income unit). Wayne says that salaries account for almost all the program's budget of \$320,000, "plus a few thousand for teaching supplies."

TYP students study four specially designed courses (history and society, English composition, English literature and introduction to social science methodology). They also take one option from arts and science (usually sociology 101Y).

Wayne wants to expand the curriculum. "We badly need to have a science offering," he says. "Lots of people would benefit from it."

Other changes he hopes to make include:

- almost doubling the number of students, a measure that would require more tutors but would not incur further administrative costs
- achieving greater job security, regular sabbaticals and merit pay increases for tutors, most of whom have PhDs but who work on five or three year contracts
- establishment of a group of "friends" both on and off campus who will provide moral and practical support for the program.

## Blackburn given honorary degree

Robert H. Blackburn, librarian emeritus at the University of Toronto, received an honorary doctorate from McGill in June. His first honorary degree was awarded by Waterloo in 1965. Blackburn, who is writing a history of the library, retired as U of T's chief librarian in 1981 after 27 years in that position.



STEVE BEHAL

## The case of the disappearing dining hall

Raymond Burr and Barbara Hale, better known as Perry Mason and Della Street, turned Howard Ferguson Dining Hall in University College's Sir Daniel Wilson residence into a courtroom earlier this month. Though normally construction isn't permitted on University properties rented out for filming, the time of year made it possible this time. A crew of about 50 people took over the dining hall, the UC senior common room, the UC refectory, the Women's Union dining room and various other spaces in the University for two weeks of setting up, filming and dismantling — the longest period there's been such activity on campus. Use of University space for filming, arranged by the film liaison office in the Office of Space Management, costs \$1,200 a day for the major space, proportionately less for auxiliary areas. The product, a TV special called *The Case of the Shooting Star*, will be aired in November.

## Medal for forestry profs

Professors K.C. McMartin, A.T. Quaile and F.J. Keenan of the Faculty of Forestry have received the Gzowski medal of the Canadian Society for Civil Engineering. The award is for the best paper presented on a civil engineering project in the areas of surveying, structural engineering or heavy construction. Their paper was on strength and structural safety of long-span light wood roof trusses.



## New associate librarian

Marshall (Peter) Clinton has been appointed associate librarian, reader services, for a seven-year term that began Aug. 1. He comes to U of T from Lakehead University, where he was chief librarian for five years. At the Memorial University library, where he spent nine years, Clinton became an expert in the application of computer technologies to libraries. He subsequently became assistant university librarian at the University of New Brunswick, where he developed an online public catalogue system.



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### ODDS AND (SOME) ENDS

A new print utility, called TPRINT, is available in CMS. Users who have dumb terminals (VT100, XT100, APL100, VT52, TVI1950 or DM1521) can now attach a printer to the terminal printer port and have files printed locally at their sites. For more information, issue the CMS *getme tprint* command and ask for help on tprint.

**DEFINITION** — *cardreader* /'kardred-er/ n, 1: a device which processes thin blocks of wood containing small rectangular holes. 2: an ancient computer attachment which generated long queues of frustrated users.

The last UTCS cardreader will be removed from service on September 1, 1986. This cardreader also has the OMR (Optical Mark Recognition) feature. Users should move their card data to magnetic tape or floppy diskettes. For alternatives to OMR, contact Mr. Ihor Prociuk, UTCS marketing representative, 978-6875.

The imminent arrival of the CRAY supercomputer has necessitated the reorganization of some UTCS systems. Because of these changes

the File Transfer Facility has been discontinued. It is replaced by KERMIT running under CMS. Users who wish to continue moving their data between mainframes and micros can get a free copy of KERMIT for their micro from the UTCS Micro Group in the Koffler Centre, 214 College St., Room 308. To open a CMS account contact UTCS Accounting at 978-7148 or 978-8703. Technical questions can be answered by UTCS Advising at 978-HELP.

### GP UNIX — BIG DEAL

We think so too! UTCS has just reduced the rates for computing on the GP (General Purpose) UNIX system. The new rates are:

Use of the CPU .....\$0.70/CPU-min.  
Connect Time .....\$0.80/connect-hour  
Online storage .....\$0.40/kblock/day  
Locally attached printer ....\$0.10/page  
C.A.T. phototypesetter  
.....\$0.25/vertical inch

As in the past, rates are reduced an additional 33% during non-prime hours. (External users can contact the UTCS marketing rep, Ihor Prociuk, 978-6875, for changes in external rates on GP UNIX).

Communications and Computer Systems Consulting	978-4967
General Advising	978-HELP
Statistical Advising	978-STAT
Marketing	978-6875
Micro Support	978-8701



# Hooper wins CSME medal

Professor Frank C. Hooper, an internationally recognized scholar in heat transfer and thermodynamics, received the Jules Stachiewicz Medal, awarded by the Canadian Society for Mechanical Engineering (CSME), during ceremonies July 9 in Sherbrooke, Que. He received the award for his contributions in sky radiance heat transfer, heat losses from thermal storage tanks, annual storage solar heating systems, transient conductive heat transfer, and in bubble growth and the flashing of superheated liquids.

Professor Hooper, who holds degrees from U of T and the Imperial

College in London, Eng., started at U of T as a demonstrator and rose to the rank of professor of mechanical engineering. From 1977 to 1982, he was chairman of the Division of Engineering Science.

He has served as chairman of committees of the American Society of Mechanical Engineering, the NRC and the CSME, has been president of the Royal Canadian Institute, and currently is vice-president of the Council for International Heat Storage Conferences.

Among his many honours are the Queen's Silver Anniversary Medal and the U of T Engineering Alumni Medal.

## Books



Three generations of Nama women at work in Africa. The social organization of the Nama is studied in a new book edited by anthropologist Peter Carstens.

## Parking spaces are there if you look

The parking office, which has been monitoring the availability of unreserved parking spaces, reports that though a large chunk of parking disappeared when construction of the Earth Sciences Complex began, there are still lots that are under-used.

Most of the area used for parking west of Huron St. between Willcocks and Russell Streets is no longer available, though there is a lot west of the Graduate Students' Union at 581 Spadina Ave. (now entered from Spadina Ave.) with a small amount of parking. This lot, along with one at 651 Spadina Ave. (north of the building on the northeast corner of Spadina and Harbord), one at 7 Glenmorris St. and one at 713 Spadina Ave. (behind the Faculty of Education) has been repaved and striped. In addition, the spaces at 150 College St. (the Fitzgerald courtyard) have been returned to the parking inventory.

This summer, unreserved parking has regularly been available at 113 St. George St., 100 Devonshire Place, 273 Bloor St. W., and 581, 651 and 713 Spadina Ave., according to the parking office survey. The lot at 713 Spadina Ave. has been especially underutilized.

## Memorial service for Helen Frye

A service in memory of Helen Frye, wife of Professor Northrop Frye, will be held on Tuesday, Sept. 9, at 4 p.m. in the Victoria College chapel. Mrs. Frye died in Australia on Aug. 4.

The sale of staff parking permits is being limited. From September on the sale of cash parking may have to be curtailed, says Penny Tai-Pow, coordinator of central services in the office of the vice-president (business affairs).

Information about unreserved parking for permit-holders is available from the parking office at 978-2336 or 978-6625.

## Public lecture

Sir George Porter, president of the Royal Society, Nobel laureate and Fullerian professor of chemistry at the Royal Institution of Great Britain, will give the inaugural lecture of the Neil Graham lectureship in the natural sciences at 4:30 p.m. Monday, Sept. 15 in Room 140 of University College. His topic will be popular and unpopular science.

## Research fellowships

Sept. 15 has been set as the deadline for nominations of Canadian Research Fellows under the Social Sciences and Humanities Research Council program announced in June. Nominations of scholars may come from departments, divisions, centres or research projects through the School of Graduate Studies or the Faculty of Arts & Science. Enquiries may be directed to Associate Dean P.J. Perron of SGS or Vice-Dean I.M. Drummond of arts and science.

### August

**Sexual Abuse of Children in the 1980's: Issues and Annotated Bibliography 1980-1984**, editor and contributor Benjamin Schlesinger (U of T Press; 216 pages; \$12.95). Ten essays by authorities in the field combined with a bibliography of more than 300 items, organized by subject.

### Catching Up

### April

**The History of the University of Oxford, Volume III: The Collegiate University**, editor and contributor Fr. James McConica (Oxford University Press; 800 pages; \$144.95). This third volume describes the history of the university during the century of Tudor rule, when Oxford experienced the intrusion of successive governments into its affairs.

**Useful Procedures in Medical Practice**, compiled and edited by Paul W. Roberts (Lea & Febiger; 610 pages; 321 illustrations; \$46). A compendium of medical techniques and procedures designed for family practice physicians, medical and nursing students, other health specialists and anyone requiring access to reliable, current information.

### March

**Diplomacy and Strategy of Survival: British Policy and Franco's Spain, 1940-41**, by Denis Smyth (Cambridge University Press; 335 pages; \$49.50 US). A study of British efforts to maintain Francoist Spain's neutrality in the period after the fall of France in June 1940 and before the December 1941 entry of the US into the second world war.

### February

**Language Development**, by Peter A. Reich (Prentice-Hall; 400 pages; \$33.20). This textbook covers language acquisition from infancy through adulthood, including normal monolingual acquisition, acquisition of more than one language, and language problems in children. It is designed for introductory courses in psychology, linguistics, speech pathology and education. An 81-page handbook, containing sample course outlines, assignments and examination questions is available for instructors.

### January

**The Social Organization of the Nama and Other Essays by Winifred Hoernlé**, edited by Peter Carstens (Witwatersrand University Press; 154 pages; \$13). Winifred Hoernlé (1885-1960) was the first trained woman social anthropologist to carry out field research. The essays recount her fieldwork experience from 1912, when she travelled by donkey wagon to study the Nama (Hottentots) living in the Richtersveld in Little Namaqualand, to later studies of the Nama in Namibia. In 1960, Carstens worked in the Richtersveld among the same group studied by Hoernlé.

*U of T staff are indicated by an asterisk when multiple authorship or editorship includes non-U of T staff.*

## UNIVERSITY OF TORONTO Bulletin

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Photography: Steve Behal  
Advertising: Marion de Courcy-Ireland  
Material may be reprinted in whole or in part with appropriate credit to the *Bulletin*.

Published every two weeks by the Department of Communications.

Submissions for publication must be in the *Bulletin* office, 45 Willcocks St., University of Toronto, Toronto, M5S 1A1, 10 days before publication date unless otherwise specified.

Editorial enquiries: 978-6981

Display advertising space must be reserved two weeks before publication date.

Advertising enquiries: 978-4933

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# U of T program encourages Indians to enter health care

by Patrick Donohue

**R**andall Jacobs, an Indian high school student from Walpole Island, near Sarnia, discovered new career possibilities during U of T's Health Experience '86. The one week event earlier this summer brought together 19 Indian students from around Ontario to learn about careers in health care.

Because of his love of sports, Jacobs had been thinking of a career as a physiotherapist working with injured athletes.

But the Hugh MacMillan Centre, one of the facilities the students visited, opened his eyes to another important part of physiotherapy — working with disabled children. The centre's rehabilitation program for children with handicaps like spina bifida and cerebral palsy amazed and fascinated Jacobs.

"It's quite a challenge," he says with a grin. "I love challenges."

Like many of the 19 students who attended Health Experience '86, Jacobs found it convinced him of his future in health care.

Which is exactly what the week was

meant to accomplish.

The effort to interest Indian students in health care professions relates to the striving for cultural self-determination among our native peoples, says Eric McKee, assistant vice-president (student affairs). The conference was the first major project of U of T's Indian Health Careers program, established in April by a grant from Health and Welfare Canada.

McKee says future plans for the program involve workshops for native education counsellors and linkages with universities such as Trent and Lakehead that have specific native studies programs.

Dianne Longboat, coordinator of U of T's program, says Indian students face particular difficulties in health care studies. "There is nothing native about them," says Longboat. She says it's important, therefore, for native students not to lose their sense of identity as Indians when confronted with high-tech medicine.

For that reason, the U of T conference included talks on how traditional native concepts of wellness, wholeness and healing relate to con-

temporary western medical practices. Students attended workshops and seminars on health care professions, watched surgery being performed, and talked to health care professionals on a one-to-one basis to find out what their careers are really like. Visits to many facilities showed students daily routines in the health care world.

About 60 resource people from U of T and city hospitals made themselves available for questioning. "They were very warm and caring people," Longboat says. "They went out of their way to make these kids feel very comfortable."

It worked. "We thought the kids would be shy but they were as good as first year medical students," Longboat says. "They were right in there asking questions."

She says medical students, including one Indian from Manitoba, told the young people "you don't have to be brilliant to be a doctor. If you set your goals you can attain anything." Says Longboat, "It's really important for them to hear that."

Randall Jacobs has decided to attend U of T because of the wide selection of science courses available. But not all the students at Health Experience '86 would make the same choice. Sharon McKay, from Bearskin Lake Reserve, north of Sioux Lookout, would like a smaller campus. "I don't want to waste time finding my way around," she said.

Don Cheechoo, from Moose Factory, expressed a similar reaction to U of T. "I expected it all to be in one building. I didn't know it stretched for miles. It's far too big for me, too competitive."

Formerly, Cheechoo was interested in nursing but, since the visit to the Hugh MacMillan Centre, he's more inclined towards physiotherapy. "It's fascinating the way those people are helping each other," he says.

Whatever aspect of health care he chooses as his career, Cheechoo definitely intends to work with Indian people when he becomes a professional. "I plan to go back home."

A similar commitment from all the students to work with their own people — whether in health care or other careers — is one of the major goals of the program. "If they become good parents, good leaders in their communities, then I will feel the program has been a success," says Longboat.



Indian high school students attending U of T's Health Experience '86 visit the Hugh MacMillan Centre (formerly the Ontario Crippled Children's Centre). Research assistant Alex Sochaniwskyj of the centre's rehabilitation engineering department demonstrates the myoelectric arm which can be activated by electrical impulses from the muscles of a disabled person.

## Scarborough council will sell dogs for research

U of T researchers have persuaded a Scarborough city council committee to reverse its stand on cutting off the supply of dogs for University research.

After a two and a half hour debate, Scarborough's building, fire and legislation committee voted four to two Aug. 18 against selling unclaimed dogs to the Toronto Humane Society instead of to U of T.

The committee had originally recommended that council sell the dogs to the Toronto Humane Society, as requested by the Society. But the July 14 council meeting asked the committee to let U of T argue its case at another meeting.

U of T researchers are confident that council will accept the committee's about-face.

Professor Eliot Phillipson of the Faculty of Medicine, one of the researchers who appeared before the committee, said later its members

have apparently accepted the importance of animal research in treating disease and prolonging human life.

John Ratchford, solicitor for Scarborough, told the committee that the Toronto Humane Society's plan to buy the dogs definitely contravenes the Animals for Research Act, which orders the selling of unclaimed strays to licensed research facilities.

Phillipson said some committee members pointed out that if animal rights activists want the law changed, they should attempt to do so through the provincial legislature rather than trying an end run around the Act by means of the Toronto Humane Society plan.

In spite of the Scarborough committee decision, U of T researchers fear animal rights activists will try to stop other municipalities from supplying dogs to the University. The issue is by no means settled, said Phillipson.

## United Way campaign starts Sept. 14.

A race organized by the Students' Administrative Council will launch the U of T United Way campaign Sept. 14. President George Connell, an avid jogger, will run in the event, as he did last year.

The campaign, which will continue until U of T Day, Oct. 18, is co-chaired this year by Tom Robinson, dean of the School of Graduate Studies, and Rivi Frankle, director of the Career Centre. Robinson and Frankle are hoping to increase the participation rate from last year's 30 percent to 50 percent this year. Last year U of T donated \$337,000 to the United Way.

Enquiries about the campaign should be directed through the Career Centre at 586-8004.

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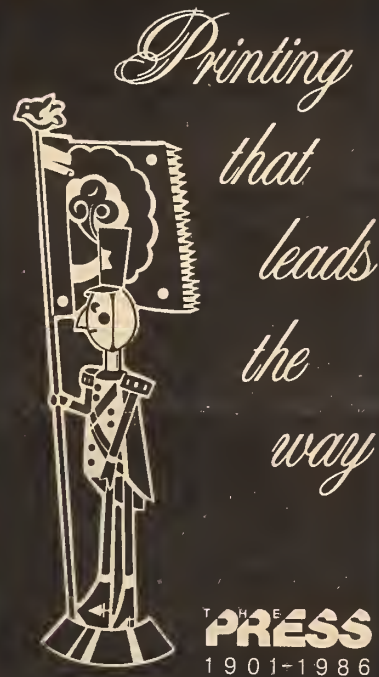
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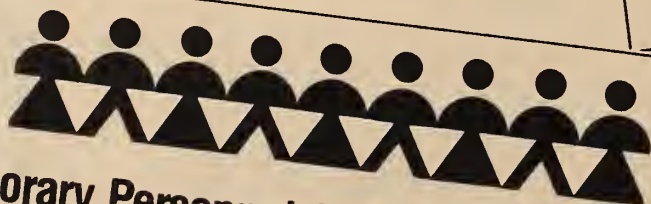


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# RESEARCH NEWS

For further information and application forms for any of the following agencies, please contact ORA at 978-2163.

## Canadian Electrical Association

The CEA invites the submission of research proposals on the following work:

1. Transformer Model for Electromagnetic Transient Studies

An intent to submit is requested by the agency by September 4, 1986; the closing date for receipt of this proposal is *Thursday, September 25, 1986, 4:00 p.m.*, at the Canadian Electrical Association.

## Easter Seal Research Institute (formerly Conn Smythe Research Foundation)

The Institute is interested in supporting research relating to, but not restricted to, cerebral palsy, spina bifida, neuromuscular disorders, acute brain damage and long-term sequelae. The project must have relevance to the reduction of disability and handicap for children and young adults. In addition to research funds, the agency also offers a limited number of research training grants leading to an M.Sc. or Ph.D. degree or equivalent, and post-doctoral fellowships.

The deadline date for the next research grant competition is *October 15*. The personnel competition deadline is *April 15, 1987*.

## Charles A. Lindbergh Fund, Inc.

Grants up to \$10,580 (U.S.) are awarded annually to individuals whose proposed projects represent a significant contribution towards technological progress and the preservation of the natural environment. For the 1987 funding period, the agency is interested in the following areas: aeronautics/astronautics/aviation; agriculture; arts and humanities; biomedical research; conservation of natural resources; health and population sciences; intercultural communication; oceanography and water resources; waste disposal management; and wildlife preservation.

Complete applications, related credentials, and endorsements are to be received by the Fund between *September 1 and October 15, 1986*.

## University of Toronto

*Research Board (Leave and Non-Leave) Research Grants*

In July, the Vice-Presidents for Research and for Business Affairs and the Chair of the Research Board announced the initiation of a new Research Grants program which expands and replaces the previous Research Leave Grants program. The new program provides for grants in aid of research in place of salary, whether or not the staff member is on leave. Faculty members or professional librarians, either full-time or part-time, are eligible to apply. There are four deadline dates each year: *February 1, May 1, August 1, and November 1*. For 1986 only, the August deadline has been extended to *September 1*. Applications and guidelines are available from ORA. For further information, call 978-4257.

## W. Garfield Weston Foundation

The Foundation has limited funding to support research projects across Canada. The

agency is particularly interested in projects directed toward specialized medical research in neurology and nutrition. No application forms are issued; however, the Foundation has specific guidelines for written proposals. Please contact ORA for further information. Proposals are to be received by the Foundation by early autumn of each year.

## Medical Research Council

*August 1st Competition*

Successful applicants of the August 1st competition will be funded beginning April 1, 1987, NOT January 1 as in previous years. This change applies to new operating grants and maintenance grants, major equipment, category 1 development grants, biotechnology development grants and scholarships.

### Research on AIDS

Researchers are reminded that AIDS projects may be submitted to MRC at any time; the usual deadlines do not apply. The Council will review such application as quickly as possible.

## Ontario Mental Health Foundation/Ministry of Community and Social Services

*Lottery Grants Program*

Investigators are advised that funds are available in areas of research and program evaluation concerning the developmentally handicapped; the elderly; and the physically handicapped. The focus of research will be on important but neglected issues for these client groups, with an emphasis on community living. This program will be administered by the Ontario Mental Health Foundation and investigators are reminded that the Foundation's application guidelines, particularly those on ethics approval, are in effect.

Specific information and application forms are available from ORA. Deadline for submission is *October 15, 1986*.

## Upcoming Deadline Dates

Alberta Worker's Health, Safety and Compensation (Heritage Grant Program) — research grants: *September 1*.

Alcoholic Beverage Medical Research Foundation — research grants: *September 15*.

American Lung Association — personnel awards: *October 1*.

Arthritis Society — research grants; manpower development awards; associateships, assistantships; fellowships: *October 15*.

Canadian Cystic Fibrosis Foundation — fellowships; studentships; scholarships; research grants (new and renewals): *October 1*.

Canadian Geriatrics Research Society — research grants: *October 1*.

Canadian Heart Foundation — annual research grants; research scholarships; research in professional education; term research grants; visiting scientists; research associateships: *September 15*.

Cancer Research Institute (U.S.) — fellowships: *October 1*.

James H. Cummings Foundation — for researchers in Faculties other than Medicine the deadline date at ORA is *October 15*.

Dermatology Foundation (U.S.) — research grants; fellowships: *September 15*.

Easter Seal Research Institute — research grants: *October 15*.

Anna Fuller Fund — research grants; fellowships: *October 1*.

Parker B. Francis Foundation — fellowships in pulmonary research: *September 15*.

W. Garfield Weston Foundation — research grants: *early Autumn*.

Imasco-CDC Research Foundation — research grants: *October 1*.

International Union Against Cancer — Eleanor Roosevelt international cancer fellowships; international fellowships: *October 1*.

Juvenile Diabetes Foundation (U.S.) — career development awards; fellowships: *October 1*.

Kidney Foundation of Canada — fellowships: *October 1*; research grants: *October 15*.

Leukemia Society of America Inc. — fellow; special fellow; scholar grant: *September 2*; President's Research Development; scientific exchange: *October 1*.

Charles A. Lindbergh Fund — research grants: *between September 1 and October 15*.

March of Dimes (U.S.) — research grants — social and behavioural sciences: *September 1*; basic research grants: *October 1*.

Medical Research Council — program grants (intent) new and renewal; workshop and symposia: *September 1*; subject research development grants (application); medical education; history of health sciences; visiting scientists; France-Canada exchange; MRC Groups (new & renewal applications): *October 1*.

Multiple Sclerosis Society of Canada — career development; post-doctoral fellowships; research grants; research studentships: *October 1*.

Ontario Mental Health Foundation — research grants: *September 30*.

Physicians' Services Inc. Foundation — research grants: *October 1*.

Queen Elizabeth Hospital Research Institute — research grants: *October 1*.

Social Sciences and Humanities Research Council - Strategic Grants Division — Education and Work in a Changing Society: *September 1 for 1986 only*;

Fellowships Division — Canada Research Fellowships: deadline at the School of Graduate Studies: *September 15*; International Relations Division — Aid to International Secretariats in Canada; grants for international collaborative research; bilateral exchange programs (with France, Japan, Hungary, China or the U.S.S.R.): *October 1*; Research Grants Division — standard research grants and major research grants: *October 15*.

U of T — Research Board — leave and non-leave research grants: *September 1*; Humanities and Social Sciences Committee of the Research Board — Conference Travel: *September 15*.

Whitehall Foundation Inc. (U.S.) — life sciences - research grants; grants-in-aid: *September 1*.

## Matching grants scheme still being worked out

U of T's response to the federal government's long-awaited implementation proposals for the matching funds program is cautiously optimistic.

"One has to be extremely happy about the constructive response of the government in making the program flexible," said Professor Geraldine Kenney-Wallace, chair of U of T's research board.

A paper released July 22 presents the government's interpretation of the program, announced in February's budget, whereby it promised to match private sector investment in university research up to a maximum of six per cent of the previous year's budget of each of the three major federal granting councils.

The government has asked interested parties to respond to the proposals with a view to having a program in place by the fall.

Kenney-Wallace noted that the government's proposals contain such details requested by U of T as:

- inclusion of non-profit and charitable organizations as well as private foundations and trusts as private sector investors of funds eligible for matching grants
- allowing of donations in kind
- retroactivity of the program to last April
- provisions for private sector investors to send money directly to universities or to one of the federal granting councils.

Kenney-Wallace said Finance Minister Michael Wilson wrote U of T to say a paper on matching grants

prepared jointly by the University and private sector representatives provided valuable input to the government's proposals.

But the government policy does not satisfactorily address the question of incentives to the private sector, Kenney-Wallace said. "So far, so good, but frankly, the whole thing could come unstuck," she said.

Throughout discussions on the program, University and private sector representatives have insisted that a significant portion of the matching funds must flow back to the institution that initiated the original research investment, Kenney-Wallace said. Otherwise, there would be little incentive for the private sector to make the investment, they believe.

The government has proposed, however, that distribution of the matching funds be left to the discretion of the granting councils. In his letter to U of T, Wilson makes it clear that he thinks the councils can be trusted to make wise decisions, Kenney-Wallace said.

So far, she said, the councils have not outlined their policies regarding distribution of the matching grants.

Kenney-Wallace emphasized that although the matching grants scheme has some merit it must not be seen as a substitute for long-term funding for research through the councils.

She also pointed out that U of T procedures for handling grants must await definite external guidelines. She said U of T hopes to design a plan "with a minimum of bureaucracy."

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# Events

## Lectures

**Fate of the Earth Conference: Ottawa, June 1986.**  
Wednesday, September 10  
Prof. Myriam Fernandez, Department of Botany, and Prof. Eric Fawcett, Department of Physics. 179 University College. 8 p.m.  
(Science for Peace, Canadian Physicians for the Prevention of Nuclear War and Lawyers for Social Responsibility)

## Popular and Unpopular Science.

Monday, September 15  
Sir George Porter; inaugural Neil Graham lecture. 140 University College. 4.30 p.m.

## Seminars

**Recent Developments in Computational Aerodynamics in Japan.**  
Thursday, September 4  
Prof. Ryuma Kawamura, Nihon University, Tokyo. Lecture hall, Institute for Aerospace Studies. 11 a.m.

## Role of Plasminogen Activator in Tumor Invasion and Metastasis.

Monday, September 15  
Prof. Liliana Ossowski, Rockefeller University. 417 Best Institute. 4 p.m.

## Meeting

**Women in the University**  
Tuesday, September 16  
President George Connell; meeting of U of T Women's Network. University Women's Club, 162 St. George St. 7.30 a.m.

## Exhibitions

**Robarts Library.**  
To August 27  
Selections from Graphic Feminism, posters and buttons from 1970 to 1986. Main display area.  
(Otherwise and Canadian Women's Movement Archives)

To August 28  
Sojourners — Yemeni Migrants: Peasants and Workers at Home and Abroad. Photographic exhibition assembled by UCLA Center for Near Eastern Studies. Main display area.  
(Middle East & Islamic Studies and Public & Community Relations)

September 4 to October 31  
Victoria University: The First 150 Years; documents, letters, photographs, publications, programs, memorabilia and artifacts. Main display area.  
(Victoria Sesqui Exhibition Committee)

## Thomas Fisher Rare Book Library.

To end August  
De Zee-Atlas ofte Water-Waereld (1666) by Hendrik Doncker, and related materials.  
Hours: Monday-Friday, 9 a.m. to 5 p.m.

## Faculty of Architecture & Landscape Architecture.

To September 6  
Spring 1986 work of students in Faculty of Architecture & Landscape Architecture.  
Gallery, 230 College St.  
Gallery Hours: Monday-Friday, 9 a.m. to 4.30 p.m.

**Scarborough College.**  
To October 31  
Patio Lawn Slope, site-related sculpture on the college grounds.  
(U of T, Canada Council, Ontario Arts Council, City of Scarborough)

**Justina M. Barnicke Gallery, Hart House.**  
September 2 to October 2  
Hart House permanent collection.  
Gallery hours: Tuesday-Saturday, 11 a.m. to 5.30 p.m.

## Miscellany

**Campus Walking Tours.**  
To August 29  
Hour-long tours of the St. George campus conducted by student guides. Map Room, Hart House. 10.30 a.m., 12.30 and 2.30 p.m., Monday-Friday.  
Information: 978-5000.



**Lawn sculpture**

This untitled work by Sandra Meigs is part of "Patio Lawn Slope," an outdoor show of site-related works on view on the Scarborough Campus until Oct. 31.

## Statscan tells U's where money goes

Canadian universities spent \$4.1 billion on salaries, wages and benefits in 1984-85, an increase of 5.7 percent from 1983-84, a Statistics Canada bulletin reveals.

About 40 percent of operating expenditures were for academic and research staff salaries and 28 percent for staff in other occupational groups, the July bulletin says.

Most university money is spent on instruction. About 15 percent goes to sponsored research, 11 percent to physical plant, five percent to student services and computing and five percent to libraries.

Last year's 5.4 percent spending increase was the lowest recorded by Canadian universities in more than a decade. This compares with increases of 6.7 percent in 1983-84 and 14.6 percent in 1982-83. The small increase last year was due, in part, to a drop of 8.4 percent in capital expenditures.

Federal government contributions to sponsored research increased 13.2 percent in 1984-85 to \$522.2 million, which accounts for 60.3 percent of all research funds received by the universities. The provinces provided 18.4 percent of research funds, while 17.3 percent came from non-governmental grants and gifts.

Ontario and Quebec universities account for about two-thirds of all spending on sponsored research, with Ontario at 40 percent and Quebec 25.5 percent.

The report also notes that operating revenue from tuition fees is rising at a higher rate than that from provincial grants. While revenue from tuition increased by 7.2 percent in 1984-85, provincial grants increased by only 1.5 percent.

Revenue from tuition doubled between 1975 and 1985, a 7.9 percent annual increase, while that from provincial grants has grown by about 80 percent, at a rate of 6.6 percent annually.

On a national basis, provincial grants continue to be the major source of university revenue, but their contribution has decreased from 68.3 percent in 1982-83 to 65.6 percent in 1984-85. The contribution from tuition fees has increased over the same period from 11.8 percent to 12.7 percent.

## Physiology chairman search committee

A search committee has been established to recommend a professor and chairman of the Department of Physiology. The membership of the committee is: Professors Keith Moore, associate dean, basic sciences (chairman); E.M. Sellers, associate dean, academic affairs; W.G. Tatton, associate dean, neuroscience development; M.J. Hollenberg, Department of Anatomy; A.R. Hudson, Department of Surgery; D.H. MacLennan, Banting and Best Department of Medical Research; M.A. Packham, Department

of Biochemistry; Uwe Ackerman, Department of Physiology; P.E. Hallett, Department of Physiology; Valerie Watt, Department of Physiology; A.H. Melcher, School of Graduate Studies.

The committee will either recommend the reappointment of the current chairman for a second term or initiate a full-scale search. The committee would welcome advice regarding this appointment, preferably in writing, to the chairman or any member.

## Library carrel applications

Applications for carrels and book lockers for faculty members and graduate students in Divisions I and II for the fall/winter session will be received at Robarts Library until Sept. 9. Forms and information sheets are available at the circulation desk on the fourth floor.

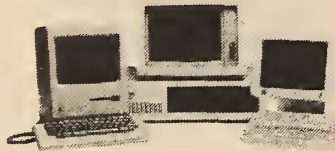
Applications for open carrels with book lockers for faculty members, postdoctoral students and graduate students in science and medicine sub-

jects for the fall/winter session will be received at the Science and Medicine Library until Sept. 26. Forms and information sheets are available at the circulation desk of the Science and Medicine Library.

Assignments, based on priorities established in consultation with the School of Graduate Studies, will begin on Oct. 6. Further information is available from Robarts at 978-2305 or Sigmund Samuel at 978-6370.

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# Notebook

There's a washroom on the third floor of the Robarts Library labelled "Ladies". Superimposed on the sign are a couple of stickers that announce: "This insults women." Little do the insulted know that in the early days of the Robarts the sign said "Women". But, after women using the facilities reported several times that they'd found themselves sharing them with men who insisted they belonged there, it was discovered that the approach from a certain angle obliterated the first two letters of the sign. "Ladies" was a rather inspired solution, we thought at the time, and were chagrined to note it's no longer appreciated.



Here's a little known fact gleaned from a new book on Toronto's architecture, *Toronto Observed*, by **William Dendy** and **William Kilbourn**, published by Oxford University Press: from 1850-53 the University of Toronto was housed in a building north of College and University that subsequently became the University Lunatic Asylum.

The book extols University College as "not only the crowning glory of architecture in Toronto" but also perhaps the finest building in Canada, "completely attuned to its own period and location."



Basketball is U of T Athletic Centre Director **Gib Chapman's** favourite sport. So when his head basketball coach announced in June that he was leaving, Chapman, realizing it was probably too late to get a top-notch coach for the coming season, decided he'd do the job himself and look for a coach for the 1987-88 season. It will be the first time in more than 40 years that the athletic director has also been a head coach.

Chapman was recently elected president of the Canadian Interuniversity Athletic Union. It's the first time since the CIAU was reorganized 15 years ago that a U of T representative has filled that slot.



The *Bulletin's* investigative reporting team, famous for sniffing out good stories, has uncovered one of the hidden factors in the planning of this campus — olfactory satisfaction. Walking across the front campus one spring day, we picked up a mysterious aroma from the freshly mowed new grass. "Deep Root", our anonymous source in the grounds department of Physical Plant, tipped us off as to the source of the amazing smell: pineapple weed in the grass mixture. Then we caught the fragrance of a shrub at the south west corner of Willcocks and St. George. "Deep Root" came through with the goods on it: viburnum. The trees with the subtle scent on the south side of Sir Daniel Wilson: little leaf linden. The bushes — silvery green leaves, dangling yellow flowers, pungent scent — at the south entrance of the Athletic Centre? They stumped "Deep Root" at first, but after some digging, we had 'em nailed: Russian olives. The masses of pink roses around SAC — "carefree beauties", according to "Deep Root". We keep uncovering new scents every week. The mock oranges in front of Flavell House. The catalpas on Hart House Circle. The story goes on. Who are we to turn up our noses at a scoop like this?



John Danahy and new computer

The Faculty of Architecture and Landscape Architecture was feeling somewhat beleaguered last spring during the hearings by the committees on academic affairs and planning and resources when it got the word that someone obviously had faith in its survival — it was to be the recipient of an unsolicited \$110,000 gift from Silicon Graphics Computer Systems. Seems Professor **John Danahy** had met the owner of the firm at a conference at which they were both presenting papers and was invited to apply the IRIS 3020 graphics system, which animates three-dimensional designs, to landscape architecture. Danahy's first application: a "walk" through the Earth Sciences Centre, which has yet to be built. The computer will be used for Danahy's work in landscape architecture and for the dynamic graphics project of the Computer Systems Research Institute.



**Tom Higson**, a craftsman in the machine shop of the chemistry department, had a holiday to remember this summer. He and his wife went to Edinburgh to watch their daughter, **Allison**, a swimmer, compete in the Commonwealth Games. Allison won two gold medals for Canada and went on to the world championships in Madrid, where she won a bronze and broke a Commonwealth record. She was the youngest competitor at the Commonwealth Games and the youngest ever to win a gold medal in the history of the games.



**Laurence Grafstein**, a U of T law student who has also attended Oxford and Harvard, had this to say on the subject of campus vice in his rarer than addiction to alcohol... The main vices at Harvard in the... Reagan era were work and sex... The U of T campus secrets are more suitable for a family newspaper. What can you say about a university where the campus police spend most of their time towing illegally parked cars?"



University alumni, students, faculty and staff from nearly all Varsity Fund constituencies, directed by the Department of Private Funding, will be calling on Toronto-area alumni to donate to the library in a phonathon Sept. 24. The appeal is a response to recent stories about cuts in the library acquisitions budget.

## Letters

### Old science equipment needed

I was pleased to see how well the photograph of Reuben Chappell (*Bulletin*, July 21) turned out. He has a wonderful store of memories about the Department of Physics, beginning in 1920, when he first came to Canada from England, and his experiences are a reminder of how rich this university's history is.

The glass apparatus he is shown holding was used in the low-temperature research that Sir John McLennan inaugurated here and that was continued by his successors. Mr. Chappell tells me that he designed it to allow liquid helium to be moved from one place to another in the lab.

I would like to correct the impression that a new museum for the history

of science is being organized at Victoria College. In fact there ought to be a University history of science museum, but the best place for it is clearly in the Louis B. Stewart Observatory on Hart House Circle, one of the oldest science buildings in Canada. Until the time that the museum is established, the Institute for the History and Philosophy of Science and Technology is concerned to collect apparatus and other memorabilia associated with science and engineering at Toronto in order to preserve this important part of our history.

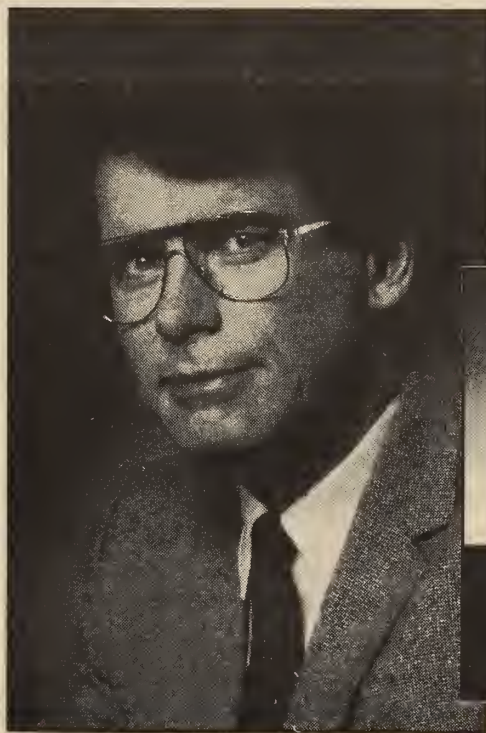
*Bruce Sinclair  
Institute for the History and  
Philosophy of Science and  
Technology*

### Medical biophysics chairman sought

A search committee has been established to recommend a professor and chairman of the Department of Medical Biophysics. The membership of the committee is: Professors Keith Moore, associate dean, basic sciences (chairman); R.S. Bush, Department of Radiology and director, Princess Margaret Hospital; J.D. Friesen, Department of Medical Genetics; R.G. Miller, Department of Immunology; R.K. Murray, Department of

Biochemistry; Rose Sheinin, Department of Microbiology; Alan Bernstein, R.M. Henkleman, and G.F. Whitmore, Department of Medical Biophysics; A.H. Melcher, School of Graduate Studies.

The committee would welcome advice regarding this appointment. It may be communicated, preferably in writing, to the chairman or any member.



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**Dufferin & Steeles.** New 4 bedroom house, 2-1/2 baths, master bedroom ensuite + 2 walk-in closets. Large living-room & kitchen. Fireplace in family room + double garage, 10 minutes to Wilson subway. Furniture negotiable. Call 638-3041.

**Yonge-Bloor.** Spacious, attractive furnished bachelor for single. Air conditioned. Quiet. Lots of storage shelving. Separate kitchen, foyer. Pat 929-3521. Sublet for flexible period. \$575.

**Furnished Annex area house** (Aug. 1). 4 bedrooms, family room, sun porch, 2 fireplaces, enclosed backyard, walking distance to University. \$1500 monthly. 978-8208, 967-6966.

**U of T Area.** A furnished 5 bedroom Victorian home, renovated & restored. Available August 15th, 1986. 1 yr. lease, references, \$2000/mo. +. Call June Oleksijczuk, 532-4404 or 531-5791, R. Cholkán & Co. Ltd. Realtor.

**For rent-furnished two bedroom bungalow** with finished basement. East York near TTC. Rent \$800 plus utilities monthly. Available mid-August. Contact Rand, P.O. Box 33, Frankford, Ont., K0K 2C0 with name and telephone number.

**Large 2-bedroom apartment.** Unfurnished. Available Oct. 1. 2 bathrooms; 12th floor with large balcony, individual air cond.; fridge and stove. Pool, sauna, underground parking. 3 min. to Glencairn subway station (15 min. from campus). Rent: \$1,050.00. Quiet building, well-maintained. Phone, evening only: 223-8372.

**Annex house to rent,** Sept. 6 to Sept. 28. 4 bedrooms, study, living, dining, sunporch, fireplace, new kitchen and bath, double garage and beautiful garden. \$275.00 per week. 364-7552 before 5 and 531-5015 after five.

**Lawrence-Bathurst detached** 2-storey, 3-bedroom house. Large fenced lot. Private drive. Fireplace. Walkout to yard. Eat-in kitchen w/fridge, stove. Includes washer, dryer, broadloom, fixtures, natural gas heating. Walk to plaza, TTC, subway, etc. Avail. Sept. Flexible lease, \$1350, 781-3879.

**Near Kingsway/Humber Valley.** 3 bedroomed house, unfurnished, two fireplaces, sunroom, walkout finished basement, ravine lot, backs into park. 10-12 mth. lease. Avail. Sept. No pets. \$1700. 769-4410 or (519) 471-0405 (collect).

**Sublet Oct.-April** (approx.). 2 br. luxury, furn. apt. Fully equipped, indoor pool, tennis crt., gym, sauna, cable & hydro, indoor parking. Eglinton/Don Mills area. Non-smokers, references please. \$1,000. Call 446-6386.

**House for rent,** Metcalfe St., Cabbagetown. Three bedrooms, 5 appliances, 2 fireplaces, garden, 2-car parking. \$1800/mo. + util. 924-8637 or 484-8104.

**Broadview-Danforth.** Renovated 3-bedroom home near Riverdale Park. Broadloom, 2 fireplaces, 5 appliances, large basement, garage, enclosed yard, TTC, quiet neighbourhood. Suit visiting faculty. One year lease, from September 1 or 15. References, please. \$1450.00/month + utilities. 924-3990.

**Near Scarborough College:** 3 bedrooms, den, living/dining room, 1 full and two half bathrooms. Finished basement, garage, air conditioning, fireplace. Large treed lot, minutes from lake, park and Go-Train. Available: November 1986, 1-2 yr. lease. References required. Furniture negotiable. \$1,325/month plus utilities. 261-0106 (evenings).

**Apartment for rent.** 1 bedroom apt., furnished, swimming pool. At Glencairn subway. \$650/month. 497-4186 after 6 p.m.

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## Accommodation Rentals Required

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**Returning, mature U of T student** with limited funds desires apartment or home for self and well-mannered daughter (11). Will house-sit or provide "presence" for well-elderly woman. Superior references. Non-smoker. Phone Anne: (315) 685-7114 (collect) after 6 p.m. or weekends.

**Save on tutor's fees!** Ph.D. student, U of T, seeks accommodation in exchange for language and humanities tutoring. University experience teaching both French & German. Call Richard at 532-7083. References available.

**Wanted furnished accommodation** for visiting professor from Brazil with family (3 children) from October 1. Contact Professor E. Fawcett at 978-5217.

## Accommodation Shared/Exchanges

**Apartment to Rent.** Large, clean house to share with three others. Near Christie station. Washer, dryer. References. 766-3295 10-3 p.m.

## Accommodation Overseas

**House to Rent: London, England.** Highgate (north) four bedroom, semi-detached house with loft studio/office, fully furnished, all appliances, garden overlooking park, quiet family neighbourhood, schools nearby, 10 mins. to tube station, 20 mins. west end. One year rental \$25,000 from Dec. 1986. Full details and photos: H. Collie, 27 Connaught Gardens, London N10 3LD. (01-883-1330).

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